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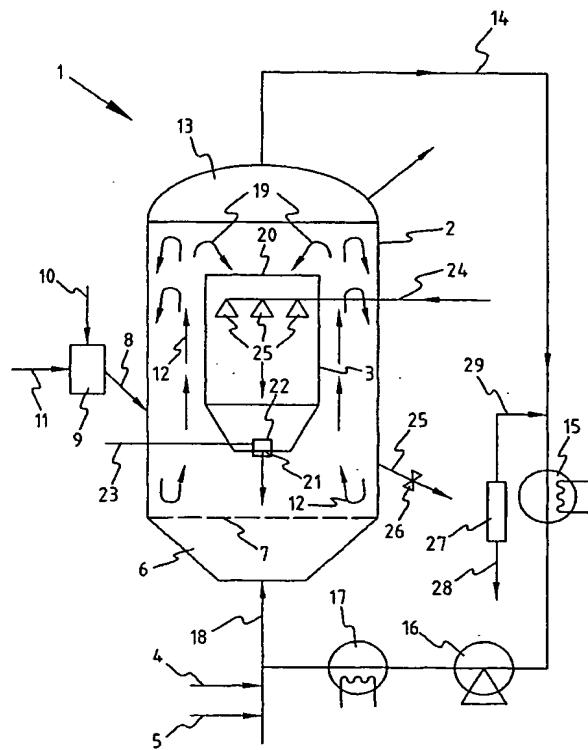
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(54) Title: PROCESS FOR THE CATALYTIC POLYMERIZATION OF OLEFINS, A REACTOR SYSTEM AND ITS USE IN THE SAME PROCESS



(57) Abstract: The invention relates to a process for the catalytic polymerization of olefins, wherein olefins are contacted with a particulate catalyst in a fluidized bed and in a moving bed such that the residence time in the fluidized bed and the residence time in the moving bed are independently controlled, to a reactor system comprising a fluidized bed reactor provided with a reactant inlet, a product outlet and means for maintaining a fluidized bed in the fluidized bed reactor and with a moving bed reactor provided with an inlet directly connected to the fluidized bed reactor and an outlet connected to the fluidized bed reactor such that the residence time in the fluidized bed reactor and the residence time in the moving bed reactor are independently controlled, and to its use for the catalytic polymerization of olefins.

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